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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

<u>of</u> 1

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Application Number	10/720,417				
Filing Date	11/24/2003				
First Named Inventor	Kun-Liang Guan				
Art Unit	1655 1657				
Examiner Name	Amanda Wood				
Attorney Docket Number	UM-08469				

			U. S. PATEN	TOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (# Innown)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
3 DW	1	US- 20040009968	01/15/2004	Binch et al.	whole document
APW	⊢	US-	01,10,2001		
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		FORE	GN PATENT DOCU	MENTS		.—		
Examiner Initials*	Cite No.1		Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	١,
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		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
APW	1	Tee et al., Proc. Natl. Acad. Sci. 99:13571-13576 (2002)			
APW	2	Onda et al., J. Clin.Invest. 104, 687–695 (1999)			
APW	3	Au et al., Am. J. Hum. Genet. 62, 286–294 (1998)			
APW 4 Kobayashi, T. et al., Proc. Natl Acad. Sci. USA 98, 8762–8767 (2001)					
APW	5	Gao and Pan, Genes Dev. 15, 1383–1392 (2001)			
APW	6	Ito et al., Cell 96, 529–539 (1999			
APW	7	Potter et al., Cell 105, 357–368 (2001)			
APW	8	Tapon et al., Cell 105, 345–355 (2001)			
APW	9	Kozma et al., Bioessays 24, 65–71 (2002)			
APW	10	Stocker and Hafen, Curr. Opin. Genet. Dev. 10, 529–535 (2000)			

Examiner	/Amanda P Wood/	Date	10/2006
Signature	/Amanda P Wood/	Considered	•

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, Supsuu	10 10 10 11 144 31 10			Application Number	10/720,417		
INF	ORMATION	DIS	CLOSURE	Filing Date	11/24/2003		
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Kun-Liang Guan		
	/lies on many the	ote se s	ecces and	Art Unit	1055 1657		
(Use as many sheets as necessary)			iocossary)	Examiner Name	Amanda Wood		
Sheet	2	of	5	Attorney Docket Number	UM-08469		

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
APW	11	Shioi, T. et al., EMBO J. 19, 2537–2548 (2000)			
APW	Shioi, T. et al., Mol. Cell. Biol. 22, 2799–2809 (2002)				
APW	13	Weinkove and Leevers, Curr. Opin. Genet. Dev. 10, 75-80 (2000)			
APW	14	DeChiara et al., Nature 345, 78-80 (1990)			
APW	15	Shima et al., EMBO J. 17, 6649–6659 (1998)			
APW	16	Neshat, et al., Proc. Natl Acad. Sci. USA 98, 10314-10319 (2001);			
APW	17	Schmelzle and Hall, Cell 103, 253–262 (2000)			
APW	18	Shah et al., Am. J. Physiol. Endocrinol. Metab.279, E715–E729 (2000)			
APW	19	Sonenberg, and Gingras, Curr. Opin. Cell Biol. 10, 268–275 (1998)			
APW	20	Podsypanina, et al., Proc. Natl Acad. Sci. USA 98, 10320-10325 (2001);			

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Substitu	te for form 1449/PTO			Complete If Known		
Substitute for form 1449/PTO				Application Number	10/720,417	
INF	ORMATIO	N DIS	CLOSURE	Filing Date	11/24/2003	
STA	TEMENT	BY A	PPLICANT	First Named Inventor	Kun-Liang Guan	
		4		Art Unit	1033 1657	
(Use as many sheets as necessary)				Examiner Name	Amanda Wood	
Sheet	3	of	5	Attorney Docket Number	UM-08469	

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APW	21	Aoki et al., Proc. Natl Acad. Sci. USA 98, 136–141 (2001)				
APW	22	Burgering et al., Nature 376 pg. 599-609 (1995)				
APW	23	Scott et al., Proc. Natl Acad. Sci. USA 95, 7772–7777 (1998)				
APW	24	Sekulic, A. et al. Cancer Res.60, 3504–3513 (2000)				
APW	25	Kwiatkowski et al. Hum. Mol. Genet. 11, 525–534				
APW	26	Tuttle, et al. Nature Med. 7, 1133–1137 (2001)				
APW	27	Reynolds et al., J. Biol. Chem. 277, 17657–17662 (2002)				
APW	28	Nave et al., Biochem J. 344, 427–431 (1999)				
APW	29	Peterson et al., Proc. Natl Acad. Sci. USA 96, 4438-4442 (1999)				
APW	30	Brown et al., Nature 377:441-446 (1995)				

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Subsulu	te for form 1445/1 TO			Application Number	10/720,417
INF	ORMATION	DIS	SCLOSURE	Filing Date	11/24/2003
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Kun-Liang Guan
	# t			Art Unit	1657
	(Use as many sheets as necessary)			Examiner Name	Amanda Wood
Sheet	4	of	5	Attorney Docket Number	UM-08469

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*			T ²
APW	31	Hara et al., J. Biol. Chem. 273:14484-94 (1998)	
APW	32	Goncharova et al., J. Biol. Chem. 277:30958-30967 (2002)	
APW	33	Kenerson et al., Cancer Res. 62:5645-5650 (20002)	
APW 34 Browne and Proud, Eur. J. Biochem. 269:5360-5368 (2002)			
APW	APW 35 Proud, Eur. J. Biochem. 269:5338-5349 (2002)		
APW	APW 36 Hardie et al., Ann. Rev. Biochem. 67:821-855 (1998)		
APW	APW 37 Kimura et al., Genes Cells 8:65-79 (2003)		
APW	38	Krause et al., Eur. J. Biochem. 269:3751-3759 (2002)	
APW	39	Shioi et al., Circulation 107:1664-1670 (2003)	
APW	40	Potter and Xu, Curr. Opin. Genet. Dev. 11:279-286 (2001)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	11/24/2003	
				First Named Inventor	Kun-Liang Guan	
				Art Unit	1835 - 1657	
				Examiner Name	Amanda Wood	
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APW	42	Weng et al., Mol. Cell. Biol. 15, 2333-2340 (1995)	
APW	43	Schalm et al., Curr. Biol. 12, 632-639 (2002)	
APW	44	Fingar et al., Genes Dev. 16:1472-1487 (2002)	
APW	45	Inoki et al., Nat. Cell Bio. 4:648-657 (2002)	
APW	46	Miloloza et al., J Neuropathol Exp. Neurol 2002 Feb 61(2):154-63	·

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